

Appl. No. 10/632,475
Amtd. Dated March 8, 2005
Reply to Office Action of Dec. 16, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (amended): A Serial Advanced Technology Attachment (**SATA**) connector for being mounted to a printed circuit board (PCB), comprising:

an insulative housing having a pair of side walls, a pair of end walls, and a bottom wall which together define a mating space, and an L-shaped tongue extending from the bottom wall into the mating space;

a plurality of compliant contacts each having an engaging portion retained in the L-shaped tongue, and a press-fit tail vertically extending beyond the bottom wall for being mounted to the PCB, and a securing portion located between the engaging portion and the press-fit tail, the securing portion being secured in the passageway, the press-fit tails of the contacts being arranged in one line; and

wherein the housing further comprises a pair of pegs integrally formed on the bottom wall of the housing for guiding the press-fit tails into the PCB without being damaged.

Claim 2 (original): The SATA connector as claimed in claim 1, wherein a plurality of passageways is defined in the tongue and extend through the bottom wall, and the contacts are received into the passageways.

Claim 3 (canceled)

Claim 4 (original): The SATA connector as claimed in claim 3, wherein the press-fit tail of the contact comprises a needle eye at a center thereof so as to increase flexibility of the press-fit tail.

Claim 5 (canceled)

Claim 6 (original): The SATA connector as claimed in claim 1, wherein the

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press-fit tails of the contacts are located between the pair of pegs.

Claim 7 (original): The SATA connector as claimed in claim 1, wherein the peg has a lowest end at a bottom thereof, the press-fit tail has a tip at a bottom thereof, and the lowest end is lower than the tip.

Claim 8 (original): The SATA connector as claimed in claim 1, wherein some of the contacts transmit high speed signals and the other contacts transmit low speed signals.

Claim 9 (original): An electrical connector assembly:

a printed circuit board;

a Serial Advance Technology Attachment (SATA) connector mounted unto the printed circuit board, and defining an insulative housing with two opposite end walls and two opposite side walls commonly defining a mating space therein with an L-shape tongue extending in said mating space, said L-shaped tongue including a longer section extending along a longitudinal direction of the housing and a shorter section extending along a transverse direction perpendicular to said longitudinal direction, a slot formed in one of said pair of end walls spaced farther from the a shorter section;

an underside of the housing defining a standoff periphery so as to have an undersurface of the housing spatially lifted from the printed circuit board; and

a pair of pegs integrally downwardly from the undersurface of the housing around two opposite end walls; wherein

a cutout is formed in said standoff periphery around one of said end walls to outwardly expose a root section of the corresponding peg along the longitudinal direction while a root of the other peg is not.

Claim 10 (original): The assembly as claimed in claim 9, wherein said cutout and said slot are commonly located around the same one of said pair of end walls.

Claim 11 (original): An electrical assembly comprising:
a printed circuit board;

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a Serial Advanced Technology Attachment (SATA) connector mounted unto the printed circuit board, and defining an insulative housing with two opposite end walls and two opposite side walls commonly defining a mating space therein with an L-shaped tongue extending in said mating space, said L-shaped tongue including a longer section extending along a longitudinal direction of the housing and a shorter section extending along a transverse direction perpendicular to said longitudinal direction, a slot formed in one of said pair of end walls spaced farther from the a shorter section;

an underside of the housing defining a standoff periphery so as to have an undersurface of the housing spatially lifted from the printed circuit board; and

a pair of pegs integrally downwardly from the undersurface of the housing around two opposite end walls; wherein

the standoff periphery forms a wider U-shaped portion around one of said pair of end walls for closely protectively surrounding the corresponding one of said pair of pegs while the other peg is relatively farther away from corresponding portion of the standoff periphery.

Claim 12 (original): The assembly as claimed in claim 11, wherein said U-shaped portion and the shorted section of the tongue are commonly located around the same one of said pair of end walls.

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